

NASA Education Stakeholders' Summit

One Stop Shopping Initiative (OSSI)

**for NASA Internship, Fellowship,
and Scholarship Opportunities**

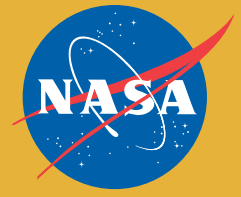


**AN INNOVATIVE SOLUTION
TO SUPPORT THE
STEM WORKFORCE
OF TOMORROW**



CONFERENCE PROGRAM

SEPTEMBER 13 - 15, 2010
Westfields Marriott Washington Dulles



ABOUT NASA

NASA's mission is to pioneer the future in space exploration, scientific discovery and aeronautics research. To do that, thousands of people have been working around the world -- and off of it -- for 50 years, trying to answer some basic questions. What's out there in space? How do we get there? What will we find? What can we learn there, or learn just by trying to get there, that will make life better here on Earth?

NASA Headquarters, in Washington, D.C., provides overall guidance and direction to the agency, under the leadership of Administrator Charles F. Bolden, Jr. Ten field centers and a variety of installations conduct the day-to-day work, in laboratories, on air fields, in wind tunnels and in control rooms. NASA conducts its work in four principal organizations, called mission directorates:

- **Aeronautics:** pioneering and proving new flight technologies that improve our ability to explore and which have practical applications on Earth.
- **Exploration Systems:** creating new capabilities for sustainable human and robotic exploration.
- **Science:** exploring the Earth, solar system and universe beyond; charting the best route of discovery; and reaping the benefits of Earth and space exploration for society.
- **Space Operations:** providing critical enabling technologies for much of the rest of NASA through the space shuttle, the International Space Station and flight support.



AN INNOVATIVE SOLUTION
TO SUPPORT THE
STEM WORKFORCE
OF TOMORROW

CONTENTS

- 1 Welcome from Charles F. Bolden, Jr., NASA Administrator
- 2 Welcome from James Stofan, Acting Associate Administrator for Education, NASA
- 3 **AGENDA:** NASA Education Stakeholders' Summit
- 6 **AGENDA:** NASA Higher Education Meeting
- 7 Biographies: Keynote Speakers and Stakeholder Greetings
- 14 Biographies: Panelists
- 26 OSSI Team Messages
- 29 The OSSI Team

Attendees at the NASA Education Stakeholders Summit are advised that video, photo and/or audio recording of all or part of the Summit may take place. By participating in the Summit, attendees hereby consent to this recording and to potential use of videos, photos or audio recording for documentation or other purposes.



Dear Participants,

I am pleased to welcome you to NASA's inaugural Education Stakeholders' Summit and Higher Education Meeting, where the newly designed NASA One Stop Shopping Initiative (OSSI) for internship, fellowship and scholarship opportunities is being debuted. This is a remarkable opportunity for NASA, other federal agencies, industry and the academic community to share insights and lay the groundwork for building our nation's future science, technology, engineering and mathematics (STEM) workforce and student pipeline.

Through the OSSI, NASA's Office of Education is committed to providing a standardized and integrated approach to the agency's policies and opportunities for student internships and fellowships, recruitment and retention, selection and mentoring, career and workforce development, and the concluding longitudinal studies.

Through the OSSI, NASA is furthering its efforts to avert a looming technical void in the workforce by preparing a pool of individuals who are diverse, dynamic, experienced and technically adept. Your collaboration with key strategic partners during this Summit represents a critical step in this effort. During the coming days, you will have an opportunity to interact with NASA's Offices of Education, Human Capital Management, Diversity and Equal Opportunity, and Communications, as well as the agency's Mission Directorates, our scientists and engineers, and colleagues from other federal agencies, industry and academia. Your participation in this Summit will ensure that you are well equipped to reach out to highly qualified students at all types of higher learning institutions and across geographic boundaries.

I am passionate about education, and it is my goal – and my challenge to you – to reach out to students across the nation and get them engaged. I believe we can successfully achieve this goal by sharing our knowledge with one another. It is with great pleasure that I welcome each of you to NASA's Education Stakeholders' Summit and Higher Education Meeting. I look forward to hearing great things as we move forward together.

Charles F. Bolden, Jr.

Administrator

NASA

OSSI

WELCOME



Dear NASA Stakeholders, Colleagues and Friends:

I join Administrator Bolden in welcoming all of you to the NASA One Stop Shopping Initiative (OSSI) Education Stakeholders' Summit and Higher Education Meeting: "An Innovative Solution to Support the STEM Workforce of Tomorrow."

During this week of collaboration, we are pleased to bring together representatives of NASA and other federal agencies as well as our colleagues in academia and industry to achieve several important objectives:

1. Share important national policy initiatives for STEM education and workforce development;
2. Communicate the President's agenda for NASA;
3. Place the OSSI within the context of these national policies and strategy frameworks;
4. Enhance awareness of the NASA One Stop Shopping Initiative (OSSI): Student Online Application for Recruiting Interns, Fellows and Scholars (SOLAR) System and the associated roles and benefits; and
5. Provide a forum for dialogue and feedback that might enhance NASA workforce development processes.

The inaugural release of OSSI is a powerful tool in NASA's Education portfolio and meets the new demands of the President's vision. The initiative is an innovative, mission-enabling, NASA-wide approach to market and provide access to college and university students to a portfolio of internship, fellowship and scholarship opportunities offered by NASA Mission Directorates and Centers. The OSSI enables eligible students to access all opportunities through a single portal and single application and enables NASA to continually reengage students throughout their academic careers. As strategic partners, NASA's Offices of Education, Human Capital, Diversity Management, and Communications collaborate with external stakeholders to bring OSSI students into the NASA workforce, including industry and academic programs associated with the agency.

I encourage all attendees to actively participate over the next few days with your ideas, questions and comments concerning all aspects of the Summit and Higher Education Meeting. Your feedback and support are important to us and critical to the success of this initiative.

I would like to thank the key partners and the multiple working groups for their support and contributions to the evolution of the One Stop Shopping Initiative. I further extend my personal thanks to the energetic Education Summit planning team, volunteers and stakeholders whose commitment and support are making this week possible.

Enjoy the NASA Education Summit and feel free to provide us with feedback that we might use in improving next year's Summit.

Sincerely,

James Stofan

Acting Associate Administrator for Education
NASA

WELCOME TO NASA

NASA Education Stakeholders' Summit

SEPTEMBER 13 - 15, 2010

Marriott Westfields Conference Center at Chantilly, VA

AGENDA

MONDAY, SEPTEMBER 13, 2010

8:00 AM - 6:00 PM

Registration/Name Badge and Packet Pickup

(Lower Rotunda)

8:00 AM - 2:00 PM

Exhibits Set Up

(Upper Rotunda and Grand Dominion)

Exhibitors' Schedule: September 13 6:00 PM - 8:30 PM
September 14 & 15 9:00 AM - 4:00 PM

11:00 AM - 12:45 PM

Office of Education One Stop Shopping Initiative (OSSI) Collaboration Workshop and Luncheon (By Invitation)

(Washingtonian I)

• Welcome

Mabel J. Matthews, Ed.D., Manager,
Higher Education Program, NASA, Presiding

SYNERGY THEME: "The condition that exists when the organization's parts interact to produce a joint effect that is greater than the sum of the parts acting alone."

• NASA Collaboration Panel

James L. Stofan, Acting Associate Administrator
for Education

Brenda R. Manuel, Assistant Administrator
for Diversity and Equal Opportunity

David S. Weaver, Associate Administrator
for the Office of Communications

Toni T. Dawsey, Assistant Administrator
for Human Capital Management

• Table Talk Sessions: Synergy Dialogue

Facilitator: **Carrie Billy, J.D.**, OSSI Broker-Facilitator Corps,
American Indian Higher Education Consortium (AIHEC)

11:30 AM - 1:00 PM

Attendee Lunch Buffet and Pre-Workshop Dialogue

(Fairfax)

Facilitator: Fawn Stanton, NASA HQ

1:00 PM - 4:00 PM

Concurrent Pre-Summit Workshops

1:00 PM - 2:30 PM

Concurrent Sessions I

- **Introduction to OSSI: LaunchPad and SOLAR System Demonstration and Training**
(Washingtonian II)

Leo Geiger, NASA Headquarters and **Deborah Sharpe**,
NASA Goddard Space Flight Center

- **OSSI Evaluation Strategy**
(Washingtonian III)

Vivian Williamson Whitney, Ed.D., OAI, **Fatima Senghore**,
NASA and **Jennifer Giancola Carney, Ph.D.**, ABT Associates

2:30 PM-4:00 PM

Concurrent Sessions II

- **Introduction to OSSI: LaunchPad and SOLAR System Demonstration and Training**
(Washingtonian II)

Leo Geiger, NASA Headquarters and **Deborah Sharpe**, NASA Goddard Space Flight Center

- **Managing Across Generations**
(Washingtonian III)

Jeffrey Vargas, Chief Learning Officer, National Nuclear
Security Administration

5:00 PM-6:00 PM

Roundtable Facilitator/Scribe Orientation (Facilitators and Scribes Only)

(Washingtonian III)

Vivian Williamson Whitney, Ed.D., OAI

6:00 PM - 8:30 PM

Opening Plenary Session and Reception

(Grand Dominion)

James L. Stofan, Acting Associate Administrator
for Education, NASA

• Keynote Remarks:

Charles F. Bolden, Jr., NASA Administrator

Cora B. Marrett, Ph.D., Director (Acting),
National Science Foundation

Michael Lach, Special Assistant for STEM Education,
U. S. Department of Education

• Stakeholder Greetings:

Marion C. Blakey, President and CEO,
Aerospace Industries Association

William Kelly, Ph.D., P.E., Manager, Public Affairs,
American Society for Engineering Education

Leland Melvin, Education Design Team Co-Chair
and NASA Astronaut

• NASA Student Ambassadors Panel

Ashanti Johnson, Ph.D., Executive Director, Institute for
Broadening Participation, Facilitator

Quenton Bonds, University of South Florida

Kareen Borders, University of Washington

Katelyn Doran, University of North Carolina at Charlotte

Marie Kingbird-Lowry, Leech Lake Tribal College

Heriberto Reynoso, University of Texas at Brownsville

Geoffrey Wawrzyniak, Purdue University

• Exhibit Tours

TUESDAY, SEPTEMBER 14, 2010

7:30 AM - 8:30 AM

Join in Dialogue with NASA Higher Education Team/ Continental Breakfast for All Summit Participants

(Upper Rotunda)

8:00 AM – 5:00 PM

Registration/Name Badge and Packet Pickup

(Lower Rotunda)

9:00 AM – 9:45 AM

Plenary Session II

(Grand Dominion)

Carl S. Person, Ph.D., Manager, Minority University Research and Education Program, NASA, Presiding

- **Opening Remarks and Introduction of Speaker**

Woodrow W. Whitlow, Ph.D., Associate Administrator for Operations, NASA

- **Keynote Address**

Cora B. Marrett, Ph.D., Director (Acting), National Science Foundation

9:45 AM – Noon

Panel Session: “Meeting National STEM Workforce Needs: Everyone’s Mission”

- **Co-Facilitators:**

Ann O. Heyward, Vice President, OAI

Katie Wallace, Education Director, NASA Stennis Space Center

- **Panelists:**

Roosevelt Johnson, Ph.D., Fellow, American Association for the Advancement of Science and Executive on Loan from the National Science Foundation

Masoud Milani, Ph.D., Director of the Office of Student Access and Success, College of Engineering and Computing, Florida International University

Everett Roper, Ph.D., Associate Professor, Oakwood University

Earnestine Psalmonds, Ph.D., Senior Program Officer, The National Academies

Laurel Vermillion, Ph.D., President, Sitting Bull College

Bernard Batson, Ph.D., Director of Diversity and Outreach Programs, College of Engineering, University of South Florida

Susan Lavrakas, Chair, Aerospace Industries Association Industrial Base & Workforce Committee and Director, BAE Systems

Noon – 1:30 PM

Lunch Buffet Impact Discussion: “Meeting National STEM Workforce Needs: Everyone’s Mission”

(Fairfax)

- **Facilitator:**

Carl S. Person, Ph.D., NASA

1:45 PM – 4:00 PM

Concurrent Roundtable Discussions

Concurrent Session I

NASA Mission Directorates Roundtables

(Grand Dominion)

- **Science Mission Directorate:** Larry Cooper, Ph.D., Facilitator
- **Space Operations Mission Directorate:** Alotta Taylor, Facilitator
- **Aeronautics Research Mission Directorate:** Tony Springer, Facilitator
- **Exploration Systems Mission Directorate:** Gloria Murphy and Frank Six, Ph.D., Co-Facilitators

Concurrent Session II

National STEM Workforce Roundtable

(Washingtonian I, II & III)

- **Academia Roundtable:**

How will institutions reach the outlined vision?
(Washingtonian I)

- **NASA and Industry Roundtable:**

How will NASA reach the outlined vision?
(Washingtonian II & III)

4:00 PM – 5:00 PM

Roundtable Responses to National STEM Panel and Mission Directorates

(Grand Dominion)

- Academia, Industry and NASA Reporting
- Panel Feedback and Comments
- Questions

Day Two Wrap-Up

Carolyn Knowles, Executive Officer for the Associate Administrator of Education, NASA

5:15 PM – 6:00 PM

Scribe and Facilitator Recap (Scribes and Facilitators Only)

(Grand Dominion)

Vivian Williamson Whitney, Ed.D., OAI

5:00 PM – 7:00 PM

Dinner Buffet Impact Discussion: STEM Workforce Competencies

(Fairfax)

- **Facilitator:**

Carl S. Person, Ph.D., NASA

WEDNESDAY, SEPTEMBER 15, 2010

7:30 AM – 8:30 AM

Join in Dialogue with NASA Higher Education Team/ Continental Breakfast for All Summit Participants

(Upper Rotunda)

8:00 AM – 5:00 PM

Registration/Name Badge and Packet Pickup

(Lower Rotunda)

9:15 AM – 10:00 AM

Plenary Session III

(Grand Dominion)

Diane DeTroye, Manager, Space Grant Program and EPSCOR, NASA, Presiding

- **Opening Remarks and Introduction of Speaker**

Lynn Cline, Deputy Associate Administrator for Space Operations, NASA

- **Keynote Address**

Robert Braun, Ph.D., Chief Technologist, NASA

10:00 AM – 11:00 AM

Panel Session: “Opportunities and Obstacles in Attracting, Retaining and Preparing STEM Talent from College to Career”

• **Co-Facilitators:**

George Cushman, Vice President, Hispanic College Fund

Hortense Burt, Education Director, NASA Kennedy Space Center

• **Panelists:**

Lorenzo Esters, Ph.D., Vice President, Office for Access and the Advancement of Public Black Universities, Association of Public Land-Grant Universities

Michael Kane, Chief Human Capital Officer, Department of Energy

Scott A. Starks, Ph.D., Director, University of Texas System Alliance for Minority Participation, University of Texas at El Paso

Alicia N. Washington, Ph.D., Assistant Professor, Howard University

Ginny Carney, Ph.D., President, Leech Lake Tribal College

Annalisa Weigel, Ph.D., Jerome C. Hunsacker Assistant Professor of Aeronautics and Astronautics, Massachusetts Institute of Technology

11:00 AM – 11:30 AM

Roundtable Discussions

• **Academia Roundtable:**

Attracting, Retaining and Preparing
(*Washingtonian I*)

• **NASA and Industry Roundtable:**

Attracting, Retaining and Preparing
(*Washingtonian II & III*)

11:30 AM – Noon

Roundtable Responses to Attraction, Retention and Preparation Panel

(*Grand Dominion*)

- Academia, Industry and NASA Reporting
- Panel Feedback and Comments
- Questions

Noon – 1:00 PM

Lunch Buffet Impact Discussion: Attracting, Retaining and Preparing Students for the STEM Workforce

(*Fairfax*)

• **Facilitator:**

Diane DeTroye, NASA

1:00 PM – 3:00 PM

Plenary Panel IV: “Institutional Solutions: Maximizing Access to Available Human and Fiscal Resources”

• **Co-Facilitators:**

Sonya L. Greene, Ph.D., Director, Workforce Development, UNCF Special Programs Corporation

John O’Shea, Education Director, NASA Dryden Flight Research Center

• **Panelists:**

Glenn A. Delgado, Assistant Administrator for the Office of Small Business Programs, NASA

Jennifer Byrne, Vice President, Corporate Engineering and Technology, Lockheed Martin Corporation

Linwood Smith, NASA Recruitment Manager, Langley Research Center

Larry Cooper, Ph.D., Science Mission Directorate, NASA

Tshaka Cunningham, Ph.D., Scientific Program Manager, U.S. Department of Veterans Affairs

Andy Newton, Ph.D., Director, Hartnell Science and Math Institute, Hartnell College

Holly YoungBear-Tibbetts, Ph.D., Dean, College of Menominee Nation

Yolanda Trevino, Ph.D., Assistant Dean, Graduate School, Indiana University, Bloomington

3:00 PM – 4:00 PM

Roundtable Discussions

- Academia Roundtable: Human and Fiscal Resources
(*Washingtonian I*)

- NASA and Industry Roundtable: Human and Fiscal Resources
(*Washingtonian II & III*)

4:00 PM – 4:30 PM

Roundtable Responses to Institutional Solutions Panel

(*Grand Dominion*)

- Academia, Industry and NASA Reporting
- Panel Feedback and Comments
- Questions

Day Three Wrap-Up

Carolyn Knowles, NASA

4:45 PM -5:15 PM

Scribe and Facilitator Recap (Scribes and Facilitators Only)

(*Grand Dominion*)

Vivian Williamson Whitney, Ed.D., OAI

5:00 PM – 7:00 PM

“Project Management for Principal Investigators” Workshop

(*Washingtonian I*)

• **Facilitator:**

Carl S. Person, Ph.D., NASA

• **Workshop Presenters:**

NASA Shared Services Center Project Management Presenters

NASA Office of Educational Programs Management Team:
Fatima Senghore and **Eddie Gonzales**

6:00 PM – 8:00 PM

Dinner Buffet Impact Discussion: Human and Fiscal Resources

(*Fairfax*)

• **Facilitator:**

Ann Heyward, OAI

NASA Higher Education Meeting

SEPTEMBER 16 – 17, 2010

Marriott Westfields Conference Center at Chantilly, VA

AGENDA

(Meeting Open Only to NASA Higher Education Team and Invitees)

THURSDAY, SEPTEMBER 16, 2010

7:30 AM – 9:00 AM

Join in Dialogue with NASA Higher Education Team/ Continental Breakfast for All Meeting Participants

(Grand Dominion I – IV)

All Sessions in Grand Dominion I – IV Unless Otherwise Noted

9:00 AM – 12:00 PM

Opening Plenary Panel Session

Mabel J. Matthews, Ed.D., Manager,
Higher Education Program, NASA, Presiding

9:00 AM – 10:15 AM

NASA Education Highlights

Gregg Buckingham, Ph.D., Acting Deputy for Integration
- Design Team Report: Impact on Higher Education Program
- NASA Education Project Alignment
- NASA Education Council: Education and Workforce Committee
- Higher Education Challenges and Opportunities

Questions & Answers

10:30 AM – 12:00 PM

NASA Higher Education Updates

- NASA Student Ambassadors: From Nomination to Service:
Fawn Stanton, OE HQ
- FY10 and Readiness for FY11 & FY12 Higher Education Budget:
Jean Rayhle, OE HQ
- NASA Education OSSI LaunchPad: Serving NASA Interns,
Fellows and the Stakeholder Community: Leo Geiger, OE HQ
- FY10 and Readiness for FY11 Higher Education Performance
Evaluation: Fatima Senghore, OE HQ
- NASA Skills and Competencies for the Next Decade:
Chris Colson, Competency Manager, OHCM, HQ

12:00 PM – 1:00 PM

Lunch Discussion (All Meeting Participants) – NASA Higher Education Updates

(Fairfax)

Facilitator: Diane DeTroye, NASA

1:00 PM – 4:30 PM

Higher Education Collaboration

Darla Jones, OSSI Administrator, NASA GRC, Presiding

Open Dialogue: Offices of Human Capital and Diversity
and Equal Opportunity Representatives, Education Project
Managers, OSSI Broker-Facilitators, OSSI Business Manager
and Project Grantees and Contractors

Briefings and Key Discussion Points:

- OSSI Business Manager and Broker-Facilitator
introductions, roles and responsibilities

- Center Internship and Fellowship Project Manager
introductions, roles and responsibilities
- Center OSSI Administrator Briefings: Strategies/best
practices for increasing mentor participation in OSSI;
How do you measure success?
- OSSI Broker-Facilitator Briefings: Fall/Spring
recruitment strategies; schedule of awareness sessions;
How do you measure success?
- Center OSSI Administrator Briefings: Best practices on
preparing/training project grantees and contractors on the
use of OSSI: SOLAR
- OSSI Broker-Facilitator Briefings: Collaborating with NASA
recruiters, project managers and members of the B-F Corps
- OSSI Business Manager Briefing: Next steps including
implementing the communication module, share drive and
marketing tool design and distribution
- Human Capital and Diversity Briefings: Developing
strategies for implementing OSSI Model Pillar II and III.
How do you measure success?
- Feedback on OSSI Training

Day One Wrap-Up

5:00 PM – 7:00 PM

Dinner (All Meeting Participants) Discussion – NASA Higher Education Collaboration

(Fairfax)

Facilitators: Darla Jones and Robert Musgrove

FRIDAY, SEPTEMBER 17, 2010

7:30 AM – 9:00 AM

Join in Dialogue with NASA Higher Education Team/ Continental Breakfast for All Meeting Participants

9:00 AM – 12:00 PM

Plenary Panel Session

Robert Musgrove, Higher Education Manager, NASA JSC
- Best Practices
- Addressing Challenges and Opportunities
- Upcoming Opportunities:
Global Climate Change
ISS Education Lab
Innovations in Higher Education
MUREP Small Projects

Higher Education Next Steps

Carl Person, Ph.D., Presiding

Working Group Update and Assignments

- Education Online Research Journal
- International Space Exploration: Research,
Education and Outreach
- NASA Student Ambassador Virtual Community

Day Two Wrap-Up

12:00 PM – 1:00 PM

Lunch Discussion Next Steps and Closing Remarks (Fairfax)

Facilitator: Carl S. Person, Ph.D., NASA

BIOGRAPHIES

Keynote Speakers AND Stakeholder Greetings



Charles F. Bolden, Jr.

Administrator
NASA



Nominated by President Obama and confirmed by the U.S. Senate, retired Marine Corps Maj. Gen. Charles Frank Bolden, Jr., began his duties as the 12th administrator of NASA on July 17, 2009. As administrator, he leads the NASA team and manages its resources to advance the agency's missions and goals.

Bolden's confirmation marks the beginning of his second stint with the nation's space agency. His 34-year career with the Marine Corps included 14 years as a member of NASA's Astronaut Office. After joining the office in 1980, he traveled to orbit four times aboard the space shuttle between 1986 and 1994, commanding two of the missions. His flights included deployment of the Hubble Space Telescope and the first joint U.S.-Russian shuttle mission, which featured a cosmonaut as a member of his crew. Prior to Bolden's nomination for the NASA administrator's job, he was the CEO of JACKandPANTHER LLC, a small business enterprise providing leadership, military and aerospace consulting, and motivational speaking.

Bolden's NASA astronaut career, which began in 1980, included technical assignments as the Astronaut Office safety officer; technical assistant to the director of Flight Crew Operations; special assistant to the director of the Johnson Space Center; chief of the safety division at Johnson; lead astronaut for vehicle test and checkout at the Kennedy Space Center; and assistant deputy administrator at NASA Headquarters. After his final space shuttle flight in 1994, he left the agency to return to active duty with the operating forces in the Marine Corps as the deputy commandant of midshipmen at the U.S. Naval Academy.

Bolden was assigned as the deputy commanding general of the 1st Marine Expeditionary Force in the Pacific in 1997. During the first half of 1998, he served as commanding general of the 1st Marine Expeditionary Force Forward in support of Operation Desert Thunder in Kuwait. Bolden was promoted to his final rank of major general in July 1998 and named deputy commander of U.S. Forces in Japan. He later served as the commanding general of the 3rd Marine Aircraft Wing at Marine Corps Air Station Miramar in San Diego, Calif., from 2000 until 2002, before retiring from the Marine Corps in 2003. Bolden's many military decorations include the Defense Superior Service Medal and the Distinguished Flying Cross. He was inducted into the U.S. Astronaut Hall of Fame in May 2006.

Bolden earned a Bachelor of Science degree in electrical science. He also holds a master's in systems management from the University of Southern California.

James Stofan

*Acting Associate Administrator
for Education*
NASA



As the Acting Associate Administrator for Education, James Stofan shares responsibility for providing executive leadership, functional management and coordination of NASA's education programs and activities. The agency's goal is to meet national education needs and ensure a sufficient talent pool to preserve U.S. leadership in space exploration, aeronautical technology and science.

From September 2003 to March 2006, Stofan applied his technical and education expertise by serving as NASA's informal education division director. Prior to joining NASA, Stofan served as the senior vice president for education programs at the National Wildlife Federation (NWF). In this role, Stofan oversaw all of NWF's educational endeavors, including the award-winning Ranger Rick, Your Big Backyard and Wild Animal Baby magazines; community education efforts like the Backyard Wildlife Habitat, Earth Tomorrow and Habitat Stewards programs; and classroom projects such as Schoolyard Habitats and Campus Ecology.

Subsequent to joining NWF, Stofan was a faculty member and director of distance education at Johns Hopkins School of Hygiene and Public Health. There he pioneered the use of the World Wide Web as an educational tool. Johns Hopkins is the first university to offer the master of public health degree to a global audience via the Internet. Stofan is a recognized speaker on the educational uses and opportunities presented by the Internet and other technologies.

Stofan has served on the National Partners Council of the Points of Light Foundation, Board of Directors of National Wildlife Productions and on the Executive Committee of the Board of Directors of eNature.com. He is also the past chair of the Environmental Education Coalition. He is a member of the honor societies Kappa Delta Pi and Phi Kappa Phi. He is an active member of the North American Association for Environmental Education, the Association for Educational Communications and Technology and the International Council for Educational Media.

A native of San Francisco, Stofan graduated in 1989 from Johns Hopkins University with a degree in behavioral biology and sociology, and earned a master's degree in instructional technology from the University of Central Florida.

Brenda Manuel

*Assistant Administrator for Diversity
and Equal Opportunity*
NASA

Brenda R. Manuel, NASA's assistant administrator for diversity and equal opportunity, is responsible for developing and directing the agency's equal opportunity, civil rights compliance, and diversity strategies, programs and processes. In this capacity, she establishes agency-wide policies on diversity and equal opportunity to ensure statutory, regulatory and fiduciary compliance with internal and external equal opportunity laws; and ensures consistency of approach to improve functional performance across the agency and create an open and inclusive workplace.

Since her return to NASA in October 2006, Manuel has focused on carrying out her responsibilities through the development and implementation of multifaceted, comprehensive and proactive agency-wide programs and initiatives such as the Conflict Management Program, the Agency Diversity Framework and an integrated system for equal opportunity research and risk analysis. She has also implemented a fully realized external civil rights enforcement program, including an unprecedented Title IX onsite compliance review program for science, technology, engineering and mathematics (STEM), recognized by the Department of Justice Civil Rights Division as a model for other federal agencies. The Title IX program, and other NASA external civil rights programs, e.g., Title VI, are designed to provide NASA grant recipients with a balanced approach to compliance, including meaningful technical assistance, program assessments and identification of promising practices.

She holds a bachelor's degree in business management from Howard University, Washington, D.C., and juris doctor degree from the George Washington University Law Center, Washington, D.C., and is a member of the Pennsylvania and District of Columbia bars.

David Weaver

*Associate Administrator for the
Office of Communications
NASA*

David Weaver became NASA's associate administrator for the Office of Communications on July 18, 2010. Weaver is a senior public administration professional with 25 years of experience in government, politics, media relations and public policy.

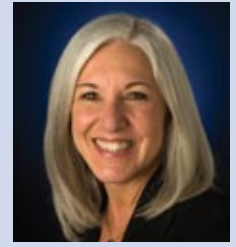
At NASA, Weaver directs internal and external communications for the agency and serves as a senior advisor to NASA leadership. He is responsible for managing an agency-wide staff of 350 that implements all aspects of NASA's external and internal communications. Under Weaver's direction, NASA's Office of Communications also produces content for the agency's Internet homepage and NASA Television; prepares and distributes print and broadcast news releases, brochures, and speeches for the NASA administrator and deputy administrator; makes video and photographic records of NASA mission activities and special events; and drafts internal publications.

Immediately prior to coming to NASA, Weaver was the chief of staff to U.S. Rep. Chris Van Hollen, D-Md., where he oversaw the congressman's personal and district office staff and budget. He ran the office's legislative, communications, scheduling and constituent services operations and served as a senior adviser to Van Hollen, who was a member of the House's leadership.

Weaver earned a Bachelor of Arts degree in government and politics from the University of Maryland.

Toni T. Dawsey

*Assistant Administrator for Human
Capital Management, Chief Human
Capital Officer
NASA*



In December 2005, Toni Dawsey was appointed assistant administrator for human capital management and NASA's chief human capital officer. In this capacity, she is responsible for setting the agency's workforce development strategy; assessing workforce characteristics and future needs; aligning the agency's human resources policies and programs with organizational mission, strategic goals and performance outcomes; identifying best practices; and serving as a member of the Office of Personnel Management-led Chief Human Capital Officers Council.

Dawsey joined NASA in April 2004, returning to federal service from early retirement to serve as the director of the agency's human resources division within the Office of Human Capital Management. In her role as director, she was responsible for establishing a broad range of agency-wide human resources programs.

During her prior federal service, Dawsey held human resources specialist and management positions at the Department of Transportation, Office of the Secretary; Department of Agriculture; NASA's Goddard Space Flight Center; and the Federal Trade Commission. From 1993 to 1995, she served as deputy assistant inspector general for inspections and evaluations, Department of Transportation, where she directed inspections and evaluations of the Department's programs and operations to detect fraud, waste, abuse and mismanagement.

Dawsey received a bachelor's degree from the University of Maryland and has received many awards throughout her career, including the Department of Transportation's Silver Medal and two Bronze Medals.

Cora Marrett, Ph.D.

Acting Director
National Science Foundation



Dr. Cora Marrett was appointed acting director of the National Science Foundation (NSF), effective June 1, 2010. She had been the acting deputy director since Jan. 18, 2009.

Prior to that, Dr. Marrett was the assistant director for education and human resources, a position she held from February 2007 until becoming acting deputy director. She led NSF's mission to achieve excellence in U.S. science, technology, engineering and mathematics (STEM) education at all levels and in both formal and informal settings. Earlier, from 1992-1996, Dr. Marrett was NSF's assistant director for social, behavioral and economic sciences.

Prior to returning to NSF in 2007, Dr. Marrett served as the University of Wisconsin's senior vice president for academic affairs for six years. Before that, she served as senior vice chancellor for academic affairs and provost at the University of Massachusetts-Amherst for four years.

Dr. Marrett holds a Bachelor of Arts degree from Virginia Union University, and Master of Arts and a doctorate from UW-Madison, all in sociology. She received an honorary doctorate from Wake Forest University in 1996 and was elected a fellow of the American Academy of Arts and Sciences in 1998 and the American Association for the Advancement of Science in 1996.

Michael Lach

Special Assistant, STEM Education
U.S. Department of Education



Michael C. Lach is currently special assistant, STEM Education, U.S. Department of Education. Lach previously served as officer of teaching and learning, overseeing curriculum and instruction in the 600+ schools comprising the Chicago Public Schools, the nation's third largest school district.

Lach began teaching high school biology and general science in 1990 at Alcee Fortier Senior High School in New Orleans as a charter member of Teach for America, the national teacher corps. After three years in Louisiana, he joined the national office of Teach for America as director of program design, developing a portfolio-based alternative-certification system that was adopted by several states.

Returning to the science classroom in 1994 in New York City Public Schools, and in 1995 at Lake View High School in Chicago, he was named one of Radio Shack's Top 100 Technology Teachers, earned national board certification, and was named Illinois Physics Teacher of the Year.

Lach has served as an Albert Einstein Distinguished Educator Fellow, advising Congressman Vernon Ehlers (MI) on science, technology, and education issues. He was lead curriculum developer for the "Investigations in Environmental Science" curriculum developed at the Center for Learning Technologies in Urban Schools at Northwestern University, published by It's About Time, Inc. As an administrator, he led the Chicago Public Schools' efforts in science and mathematics instruction in a variety of roles between 2003 and 2007. He has written extensively about science teaching and learning for publications such as *The Science Teacher*, *The American Biology Teacher*, and *Scientific American*.

He earned a bachelor's degree in physics from Carleton College and master's degrees from Columbia University and Northeastern Illinois University.

Woodrow Whitlow, Jr., Ph.D.

*Associate Administrator
for Mission Support
NASA*



Woodrow Whitlow, Jr., Ph.D., was named the associate administrator for mission support at NASA Headquarters in Washington by NASA Administrator Charles F. Bolden, Jr. on Feb. 3, 2010. Dr. Whitlow will continue to serve as the director of NASA's Glenn Research Center in Cleveland until a successor is named.

In this new position, Dr. Whitlow will be responsible for most NASA management operations, including human capital, budget and systems support as well as a variety of other vital cross-agency business, institutional and contract support functions.

As director of the Glenn Research Center, he is responsible for planning, organizing and directing the activities required to accomplish the missions assigned to the center.

From September 2003 through December 2005, Dr. Whitlow served as the deputy director of the NASA John F. Kennedy Space Center. There his duties included assisting the director in determining and implementing center policy and in managing and implementing the center's missions and agency program responsibilities in the areas of processing, launch, and recovery of launch vehicles; processing of spacecraft; and acquisition of launch services. Prior to this appointment as deputy director, he served as the director of research and technology at the Glenn Research Center.

Dr. Whitlow began his professional career in 1979 as a research scientist at the NASA Langley Research Center, Hampton, Virginia. He assumed various positions of increasing responsibility before moving to the Glenn Research Center in 1998. In 1994, he served as director of the critical technologies division, Office of Aeronautics, at NASA Headquarters.

Dr. Whitlow earned his B.S., M.S. and Ph.D. in aeronautics and astronautics from the Massachusetts Institute of Technology. He has written nearly 40 technical papers, most in the areas of unsteady transonic flow and aeroelasticity.

Dr. Whitlow has received numerous awards, including U.S. Black Engineer of the Year in Government, NASA Exceptional Service Honor Medal, NASA Equal Opportunity Honor Medal, the (British) Institution of Mechanical Engineers William Sweet Smith Prize and the Presidential Rank of Meritorious Executive. The American Institute of Aeronautics and Astronautics named him an associate fellow in 1993.

Marion C. Blakey

*President and Chief
Executive Officer
Aerospace Industries Association*



Marion C. Blakey is president and chief executive officer of the Aerospace Industries Association (AIA). AIA represents the nation's leading manufacturers and suppliers of civil, military, and business aircraft, helicopters, unmanned aerial systems, space systems, aircraft engines, missiles, materiel and related components, equipment services and information technology.

Blakey became the eighth full-time chief executive of the association in 2007. Before that, she served a five-year term as administrator of the Federal Aviation Administration (FAA). Prior to being named FAA Administrator, Blakey served as chairman of the National Transportation Safety Board (NTSB). During her tenure as chairman, she led a number of accident investigations, including the 2001 crash of American Airlines flight 587, dealing with both the highly technical aspects of the investigation as well as the highly charged public interest in the accident.

Including her service at the FAA and NTSB, Blakey has held six presidential appointments, four of which required Senate confirmation. From 1992 to 1993, Blakey served as administrator of the Transportation Department's National Highway Traffic Safety Administration (NHTSA), which regulates the automobile industry. As the nation's leading highway safety official, she was charged with reducing deaths, injuries, and economic losses resulting from motor vehicle crashes. Prior to her service at NHTSA, she held key positions at the Department of Commerce, the Department of Education, the National Endowment for the Humanities, the White House and the Department of Transportation.

Blakey received her bachelor's degree with honors in international studies from Mary Washington College of the University of Virginia. She also attended Johns Hopkins University School of Advanced International Studies for graduate work in Middle East Affairs. She is a member of Phi Beta Kappa and has received a number of honorary degrees and awards.

William E. Kelly, Ph.D., P.E.

Manager Public Affairs
American Society for
Engineering Education



William E. Kelly, Ph.D., P.E., is the manager of public affairs at the American Society for Engineering Education (ASEE). At ASEE, his responsibilities include the Engineering Deans Council, ASEE's K-12 activities, and ASEE's ABET activities.

Prior to joining ASEE in September of 2007, he was a professor of civil engineering at the Catholic University of America in Washington, D.C. where he also served as dean of the School of Engineering from 1996-2001. While dean, he served on the JETS Board and the Board of Directors for the Washington ACE mentor program. Dr. Kelly was on the ABET Engineering Accreditation Commission (EAC) from 1993-2003 and was chair in 2001-2002.

Dr. Kelly received his Ph.D. in civil engineering from the University of Notre Dame and received an Engineering Honor Award from his alma mater in 1999.

Leland D. Melvin

Education Design Team Co-Chair,
NASA Astronaut
NASA



Selected by NASA JSC in June 1998, Leland Melvin reported for training in August 1998. Since joining the space program, Melvin has served the Astronaut Office Space Station Operations Branch, the Education Department at NASA Headquarters and the Robotics Branch of the Astronaut Office. As co-manager of NASA's Educator Astronaut Program, Melvin traveled across the country, engaging thousands of students and teachers in the excitement of space exploration and inspiring them to pursue careers in science, technology, engineering and mathematics. A veteran of two space flights, STS-122 in 2008 and STS-129 in 2009, Melvin has logged more than 565 hours in space.

Melvin earned his Bachelor of Science degree in chemistry from the University of Richmond and a Master of Science degree in materials science engineering from the University of Virginia. His honors and awards include: Invention Disclosure Award for Lead Insensitive Fiber Optic Phase Locked Loop Sensor; NASA Outstanding Performance Awards (8); NASA Superior Accomplishment Award (2); Key to the City of Lynchburg, Virginia; NCAA Division I Academic All-American; and University of Richmond Athletic Hall of Fame Inductee.

Lynn F. H. Cline

*Deputy Associate Administrator
for Space Operations
NASA*



Lynn Cline is NASA's deputy associate administrator for space operations. In this capacity, she is responsible for oversight of a broad variety of capabilities across the NASA spectrum of space operations programs, which includes the Space Shuttle, the International Space Station, space communications and navigation, acquisition of commercial launch services for NASA missions, and crew health and safety.

From June 1997 to March 2003, Cline was deputy assistant administrator for external relations. In this capacity, she was responsible for NASA's interaction with executive branch offices and agencies and for international relations. She also led U.S. delegations to the United Nations Committee on Peaceful Uses of Outer Space.

Cline was director, Space Flight Division, Office of External Relations, November 1993 - June 1997. She was the NASA lead negotiator of the agreements with Canada, Europe, Japan and Russia for the International Space Station, which were concluded in January 1998.

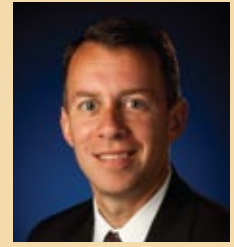
Prior to that, she held a variety of positions in support of NASA's international relations, negotiating many agreements, including the agreement with the European Space Agency for the Cassini/Huygens mission to Saturn and its moon Titan.

Cline received the Rotary National Stellar Award for Space Achievement and the Women in Aerospace Outstanding Member Award in 2009 and the American Institute of Aeronautics and Astronautics (AIAA) International Cooperation Award in 1998. She was also selected for the Presidential Rank of Meritorious Executive in 1997 and 2004. She is a Fellow of the American Astronautical Society, an Associate Fellow of the AIAA and a member of the International Academy of Astronautics.

Cline received her bachelor's degree from East Carolina University in 1976 and her master's degree from the University of California at Santa Barbara in 1979 in French language and culture.

Robert Braun, Ph.D.

*Chief Technologist
NASA*



Robert D. Braun, Ph.D., was named NASA chief technologist by NASA Administrator Charles F. Bolden on Feb. 3, 2010. Dr. Braun serves as the principal advisor and advocate on matters concerning agency-wide technology policy and programs.

Dr. Braun has more than 20 years experience performing design and analysis of planetary exploration systems as a member of the technical staff at NASA's Langley Research Center in Hampton, Va. and the Georgia Institute of Technology.

He was a member of the Mars Pathfinder design and landing operations team from 1992 to 1997 and has been part of development teams for the Mars Microprobe, Mars Sample Return and Mars Surveyor 2001 projects. He also has provided independent assessment and served on NASA review boards for the Mars Polar Lander, Mars Odyssey, Mars Exploration Rover, Phoenix Mars Scout, Genesis, and Mars Science Laboratory flight projects.

Dr. Braun joined the Georgia Institute of Technology in October 2003. At Georgia Tech, he led a research and educational program focused on the design of advanced flight systems and technologies for planetary exploration.

He has served as an AIAA Distinguished Lecturer. He also has served on the NASA Planetary Protection Advisory Council, the AIAA Multidisciplinary Design Optimization Technical Committee, and co-chaired road-mapping efforts focused on development of an integrated robotic and human exploration development plan.

In 2006, Dr. Braun began service on NASA's Jet Propulsion Laboratory Advisory Council. In 2008, he began service on Advisory Councils of the Aerospace Engineering Department at the Pennsylvania State University and the Space Systems Department of the Charles Stark Draper Laboratory. In 2009, he was appointed associate editor for the AIAA Journal of Spacecraft and Rockets and began service on the Advisory Council of The Planetary Society.

He received a B.S. in aerospace engineering from Pennsylvania State University, a M.S. in astronautics from the George Washington University and a Ph.D. in aeronautics and astronautics from Stanford University.

Dr. Braun has received the 1999 AIAA Lawrence Sperry Award, two NASA Exceptional Achievement Medals, two NASA Inventions and Contributions Team Awards, and seven NASA Group Achievement Awards. He is an AIAA Fellow and the principle author or co-author of more than 175 technical publications.

BIOGRAPHIES

Panelists

Jeffrey Vargas

Chief Learning Officer
United States Department
of Energy, National Nuclear
Security Administration



Jeffrey Vargas is the chief learning officer (CLO) for the United States Department of Energy, National Nuclear Security Administration (NNSA). Vargas is a nationally acclaimed expert on generational differences. He has helped thousands of federal employees improve their generational competency through a comprehensive generational differences training program he created in 2004 and continues to deliver today.

Under his leadership, NNSA established a Talent and Leadership Development Council and instituted a corporate approach to employee participation in 14 distinct leadership development engagements. In 2009, he led the launch of NNSA's career path initiative and complex-wide online mentoring program. Vargas also believes in student development and is the creator of the NNSA Student Learning Academy where NNSA employees provide practical advice to students on how to navigate the world of work. Vargas is known as a person of influence in the federal community and amongst federal leaders for his strategic vision. He received his undergraduate degree in economics from the University of Maryland.



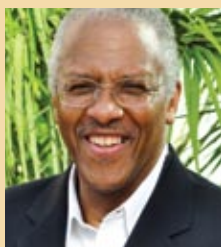
Roosevelt Johnson, Ph.D.

Fellow

American Association for the
Advancement of Science (AAAS)

Executive on Loan

National Science Foundation (NSF)



Roosevelt Johnson, Ph.D., is serving as a fellow of the AAAS Center for Advancing Science and Engineering Capacity (Capacity Center) and as an executive on loan from the National Science Foundation (NSF).

Prior to his AAAS appointment, Dr. Johnson served as program director for the Alliances for Graduate Education and the Professoriate (AGEP) program. The AGEP program is part of the portfolio of programs in the Division of Human Resource Development (HRD) within the Directorate for Education and Human Resources (HER) at NSF. The Division's programs aim to increase the participation and advancement of underrepresented minorities and minority-serving institutions, women and girls, and persons with disabilities, at every level of the science and engineering enterprise. The AGEP program supports alliances of doctoral institutions, which work collaboratively to increase the number of minorities receiving doctoral degrees and progressing into leadership roles in science, technology, engineering and mathematics (STEM).

In addition to managing numerous cross-directorate programs during his 20-year career at NSF, Dr. Johnson has represented NSF with distinction on government-wide committees and working groups, including representing the NSF and the government as one of its representatives at NATO Postdoctoral Fellowship meetings in Brussels, Belgium.

Dr. Johnson received his baccalaureate degree in zoology from Howard University and earned his doctorate in microbiology from Indiana University. As a NIH Fellow, Dr. Johnson engaged in postdoctoral research at the University of Washington, and he has served on the faculties of Pacific Lutheran University; The University of Washington; Howard Community College; Howard University College of Medicine; and Howard University College of Liberal Arts. He has also served as the deputy director and interim executive director for the GEM Consortium.

Dr. Johnson has been presented with the Frank Abbott Award for Distinguished Service from the Southern Regional Education Board (SREB; 2008), a Legacy Award from the Benjamin Banneker Institute for Science and Technology (2006) and Science Spectrum magazine's prestigious Emerald Honors Award (2005) in recognition of a 30-year career of effectively championing efforts to broaden participation in STEM disciplines.

Masoud Milani, Ph.D.

*Director of the Office of Student
Access and Success, College of
Engineering and Computing
Florida International University*



Dr. Milani joined Florida International University (FIU) after receiving his Ph.D. in computer science from the University of Central Florida in 1985. In the last 25 years, he has served FIU in different capacities, including associate dean of the school of computing and information sciences, director of the information technology program, and director of external programs.

Dr. Milani is currently the founding director of the Office of Student Access and Success. The mission of this new office is to provide prospective and current students of the College of Engineering and Computing at FIU with value chain opportunities and services that will enhance their academic experiences and increase their rate of success in the school and their future careers. The office supports students through recruitment, retention and enrichment programs such as mentorship, undergraduate research opportunities, peer-to-peer tutoring, internship and pre-college outreach activities.

His work to engage students in research and providing scholarships and fellowships to undergraduate and graduate students has been supported by the U.S. Department of Education and the National Science Foundation.

Everett Roper, Ph.D.

*Associate Professor, Business
and Information Systems
Oakwood University*



Everett Roper, Ph.D., is an associate professor in the business and information systems department at Oakwood University. He graduated from the University of Alabama Huntsville with a B.S. degree in electrical engineering, a M.S. in computer science, a M.S. in engineering management and a Ph.D. in systems engineering.

Dr. Roper holds certifications in several areas of process improvement including: The Personal Software Process (PSP) and Team Software Process (TSP) - software process improvement technologies developed by the Carnegie Mellon University Software Engineering Institute that can dramatically improve the performance of software teams; Capability Maturity Model Integration (CMMI) - a process improvement approach that provides organizations with the essential elements of effective processes that ultimately improve their performance; and Six Sigma (Green Belt), which seeks to improve the quality of process outputs by identifying and removing the causes of defects and minimizing variability in manufacturing and business processes.

Dr. Roper was a 2008 recipient of the NASA Administrator's Fellowship Project (NAFP) award, which provided science, technology, engineering and mathematics (STEM) faculty an opportunity to conduct research at NASA Centers and other NASA-related organizations while gaining experience and insights that can be used to help strengthen the academic infrastructure at Oakwood in NASA-related research and education areas. He is also the recent recipient of a NASA-funded research award for the project entitled, "Implementation of a Student Technical Assistance Need-based Developmental Undergraduate Program (STANDUP)," which supports collaboration between Oakwood University, Science Application International Corporation Inc., Rochester Institute of Technology, Carnegie Mellon University Software Engineering Institute and NASA.

Dr. Roper is a member of the following organizations: Institute of Industrial Engineers (IIE), American Society for Engineering Management (ASEM), National Society of Black Engineers (NSBE), Institute of Electronic and Electrical Engineers (IEEE) and Association for Computing Machinery (ACM). He has received numerous awards and recognitions including The Black Engineer of Year Award (Modern-Day Technology Leader), UNCF-Mellon Faculty Doctoral Fellowship, National Society of Black Engineers Technical Paper Competition Finalist.

Earnestine Psalmonds, Ph.D.

*Senior Program Officer, Policy
and Global Affairs Division
National Academies*



Earnestine Psalmonds, Ph.D., is a senior program officer in the Policy and Global Affairs Division, National Academies, and a visiting scholar from the National Science Foundation (NSF) where she managed a \$96 million program.

She served as study director for a 2009 Academies report entitled "Partnerships for Emerging Research Institutions" and is currently co-study director of a congressionally mandated study focused on the underrepresentation of minorities in science and engineering.

She has represented the NSF on interagency science and engineering workforce initiatives including the Education and Workforce Development Subgroup of the National Science and Technology Council and consultation committee for the Department of Education Jacob K. Javits Fellowship Program.

Dr. Psalmonds served on the board of directors for Oak Ridge Associated Universities and is a member of the North Carolina Board for Science and Technology, NASA Minority Business Resource Advisory Council and the executive committee of the Council on Research Policy and Graduate Education of the Association of Public and Land-Grant Universities.

She has held administrative positions at the Georgia Institute of Technology and Georgia State University, and she became the first vice chancellor for research at North Carolina A&T State University. Dr. Psalmonds served as principal investigator for projects funded by the National Science Foundation, National Institutes of Health, Department of Agriculture, Martin Marietta Energy Systems, Caterpillar Foundation, Environmental Protection Agency and Department of Energy.

She has made numerous presentations and is the co-author of copyrights to two software systems. She was honored by the Republic of Senegal through acceptance into the Order of the Lion. Dr. Psalmonds received her baccalaureate and master's degree in education from Tuskegee University and Ph.D. in higher education leadership with a concentration in management information systems from Georgia State University.

Laurel A. Vermillion, Ph.D.

President

Sitting Bull College



Dr. Laurel Vermillion, a recognized member of the Hunkpapa-Lakota people of the Standing Rock Reservation, serves as president of Sitting Bull College (SBC). Dr. Vermillion graduated from Sitting Bull College when it was known as Standing Rock Community College. She received her baccalaureate degree in elementary education through an articulation agreement between Standing Rock Community College and the University of North Dakota in 1980.

During her 14 years as an elementary teacher for the Fort Yates, N.D. school district, she pursued a master's in administration from the University of North Dakota. Soon after, she relocated to Marty, S.D., and served as principal of the Marty Indian School before moving back to the Standing Rock Reservation. In 1995, she accepted the position of vice president of academic affairs at Sitting Bull College and eventually became vice president of operations. During her seven years as vice president of operations at SBC, she completed her doctorate degree in teaching and learning, higher education from the University of North Dakota.

She was hired as president of Sitting Bull College in May 2005. She is an active board member for numerous non-profit groups, including the Standing Rock Higher Education Consortium, the North Dakota Association of Tribal Colleges, the American Indian Higher Education Consortium, the American Indian College Fund, the Recruitment/Retention of American Indians into Nursing (RAIN), and the Quality Education for Minorities (QEM) Network.

Bernard Batson, Ph.D.

Director, Diversity and Outreach

Programs, College of Engineering
University of South Florida



Dr. Bernard Batson previously coordinated the Sensory Knowledge-based Interface Science (SKINS) IGERT, University of South Florida. He also served for three years as a program coordinator for the McNair Scholars Program/Honors College at USF. In that capacity, he assisted faculty from Historically Black Colleges and Universities and Hispanic Serving Institutions with the development of undergraduate research mentoring programs modeled after USF's successful Ronald McNair Scholars Program. Dr. Batson has rendered graduate/medical school and fellowship application assistance to McNair alumni and other USF students. Prior to that appointment, he served as coordinator of multicultural admissions, where he joined a unit that spearheaded significant increase in the enrollment of minority freshmen at the University.

Susan C. Lavrakas

Director, Government Relations
BAE Systems, Inc.

Susan Lavrakas is director, government relations, with BAE Systems, Inc., a global aerospace company. She has enjoyed a professional career of more than 38 years in national security. She started her career at the Central Intelligence Agency. She later conducted research at the RAND Corporation and then was recruited into the defense industry by the Northrop Grumman Corporation, where she worked for nearly two decades. She has been with BAE Systems, Inc., since March 2003.

Lavrakas is Chair of the Industrial Base and Workforce Committee of the Aerospace Industries Association, and a member of the AIA Workforce Steering Committee. She is also vice president for Legislative Liaison of the Workforce Division of the National Defense Industrial Association.

Lavrakas is a member of the board of directors of Virginians for the Arts and also serves on the board of directors of the Theatre of the First Amendment. She earned her Bachelor of Arts degree in political science from Hamline University and a master's in international relations from the University of Southern California.

Lorenzo Lamar Esters, Ph.D.

*Vice President for the Office of
Access and the Advancement of
Public Black Universities*
Association of Public and
Land-Grant Universities



Dr. Lorenzo Lamar Esters is vice president for the Office for Access and the Advancement of Public Black Universities at the Association of Public and Land-Grant Universities (APLU), the nation's oldest higher education association comprised of public research universities, land-grant institutions and state university systems dedicated to excellence in learning, discovery and engagement. In his role as Vice President, Dr. Esters works to promote and advance access and equity across all APLU member institutions including majority institutions, tribal colleges, historically Black colleges and universities and Hispanic-serving institutions.

Dr. Esters is leading the development of the Minority Males in STEM Initiative (M² STEM) at APLU, a multi-year initiative that enhances access and success of minority (i.e., African American, Latino/Hispanic, Native American and Southeast Asian) males in STEM disciplines at APLU-member institutions.

Michael Kane

*Chief Human Capital Officer
Department of Energy*



Michael Kane, a member of the senior executive service, currently serves as the chief human capital officer (CHCO) for the Department of Energy. He is responsible for strategically aligning the agency's workforce to its missions through effective management of human capital policies and programs. The CHCO advises and assists the Secretary and Deputy Secretary of Energy, and other agency officials, in selecting, developing, training and managing a highly skilled, productive and diverse workforce in accordance with merit system principles and all applicable statutory requirements.

Prior to his appointment as the CHCO, Kane was the associate administrator for management & administration in the National Nuclear Security Administration. There, he was responsible for the management and operations of the administration's budget and financial management, human capital management, acquisition management, diversity, internal controls and administrative operations supporting more than 33,000 employees nationwide.

Kane holds numerous public service awards including The Senior Executive Service Presidential Rank Award, The NNSA Gold Medal, The U.S. Navy Meritorious Service Medal and The Secretary of Energy's Superior Achievement and Exceptional Service Awards. He is a graduate of Edinboro University in Pennsylvania and the Kennedy School of Government, Harvard University.

Scott Starks, Ph.D.

*Director, University of Texas System
Alliance for Minority Participation
University of Texas, El Paso*



Scott A. Starks received his Ph.D. in electrical engineering from Rice University in 1978. He has substantial experience with NASA that began in 1971 as a student trainee in electrical engineering at what was then known as the Manned Spacecraft Center. Since then, he has been a senior research scientist in the Information Sciences Office of NASA Ames Research Center, a visiting researcher in the Intelligent Systems Branch at NASA Johnson Space Center, and an appointed member and subpanel chair of the California Space Institute's Automation and Robotics Panel.

During his 33 years as a faculty member at UTEP, Dr. Starks has served as principal investigator on 33 research grants, which total more than \$19 million in funding. He has published more than 50 refereed journal articles and more than 200 papers in conference proceedings. In 1992, he was appointed the founding director for the University of Texas System Alliance for Minority Participation, a collaborative project involving all seven academic institutions of the University of Texas System and five partnering community college districts. This program, with support from the National Science Foundation, seeks to increase substantially the numbers of underrepresented students earning baccalaureate degrees in science, engineering and mathematics through curriculum reform of freshman courses, the involvement of undergraduates in research and systemic institutional reform.

In 1995, he became the founding director of the Pan American Center for Earth and Environmental Studies, an interdisciplinary NASA University Research Center. He has served as UTEP's Institutional Representative since 1990 and as a member of the board of directors for the Texas Space Grant Consortium since 2007.

Alicia Nicki Washington, Ph.D.

*Assistant Professor,
Systems and Computer Science
Howard University*



Dr. Alicia Nicki Washington is an assistant professor in the systems and computer science department at Howard University in Washington, D.C. Prior to joining the faculty, she was a senior member of the technical staff with the Aerospace Corporation. She is the 2000 valedictorian of Johnson C. Smith University, where she received her Bachelor of Science in computer science. She also received her M.S. and Ph.D. from NC State University in 2002 and 2005, respectively, becoming the first African-American female to receive a Ph.D. in computer science from the university. Dr. Washington is also a NASA Harriet G. Jenkins Pre-Doctoral Fellowship Alumnus of Cohort 3.

Dr. Washington's research focuses on the modeling and analysis of opportunistic networks. She also conducts a number of workshops and speaking engagements across the country on a number of topics, including college preparation, mentoring, professional development, and pursuing degrees and careers in science, technology, engineering and math (STEM). She is the author of "Prepped for Success: What Every Parent Should Know about the College Application Process." She has been a featured speaker for organizations such as the DC STEM Summit, National Coalition for Women in Information Technology and the National Society of Black Engineers.

Ginny Carney, Ph.D.

*President
Leech Lake Tribal College*



Dr. Ginny Carney, Eastern Cherokee descendant and a native of East Tennessee, joined the faculty of Leech Lake Tribal College in 2001 and was named president of the institution in August 2009.

Prior to being named president, she served as chair of the arts & humanities department, dean of academics and vice president of academic & student affairs. Dr. Carney's education has been claimed in increments, interspersed with her responsibilities as the mother of 23 children and working full-time as a pediatric/neonatal intensive care R.N. In addition to her nursing degree, she holds a B.A. in English from Tennessee Temple University, an M.A. in English from the University of Alaska, Anchorage, and a Ph.D. in English from the University of Kentucky.

Dr. Carney is a past president of the Association for the Study of American Indian Literatures (ASAIL) and has served on both the Modern Language Association (MLA) Executive Committee of the Division on American Indian Literatures, and the MLA Committee on Community Colleges. Publications include chapters in several books/anthologies, articles in journals—including *Wicazo Sa Review*, *Early American Literature*, and *Studies in American Indian Literature*—and a book, "Eastern Band Cherokee Women: Cultural Persistence in Their Letters and Speeches" (Knoxville: U. of TN Press, 2005).

In August 2010, Washington Monthly put Leech Lake Tribal College 7th nationally in its annual ranking of America's 50 best community colleges. According to the publication, colleges are selected based on what they are doing for the country, including improving social mobility, producing research and promoting public service.

Annalisa L. Weigel, Ph.D.

*Jerome C. Hunsacker Assistant
Professor of Aeronautics
and Astronautics and
Engineering Systems*

Massachusetts Institute of Technology



Dr. Weigel's research interests include aerospace policy and economics, aerospace systems architecting and design, innovation and change dynamics in the aerospace industry, and systems engineering.

She began her professional career as an engineer at Adroit Systems, first supporting the Defense Airborne Reconnaissance Office as an analyst for manned and unmanned platforms. Later, she worked in support of the Department of Defense Space Architect Office during its stand-up and initial space system architecture design studies in the areas of satellite communications, satellite operations, and launch on demand. After completing her Ph.D., Dr. Weigel worked for a year as a research associate at Lehman Brothers in New York City before returning to MIT to join the faculty.

She received a S.B. (1994) and S.M. (2000) in aeronautics and astronautics, and a Ph.D. (2002) in technology, management and policy from MIT. She also received a second S.B. (1995) in science, technology and society from MIT, and an M.A. (1998) in international relations from George Washington University.

Dr. Weigel was elected AIAA Associate Fellow in 2007.

Glenn Delgado

*Associate Administrator
Office of Small Business Programs
NASA*



Glenn A. Delgado is the associate administrator of NASA's Office of Small Business Programs. As the associate administrator, Delgado provides executive leadership and policy direction for developing and implementing policies and initiatives throughout NASA to ensure that all categories of small businesses are afforded opportunities to compete for agency contracts.

Prior to his appointment to NASA, he served as the acting director of the Department of the Navy's Office of Small Business Programs. He was the Department of Navy's mentor-protégé program manager for the six years he was assigned to the Navy's Small Business Program Office. Other responsibilities included conducting statistical analyses of the Navy's Small Business Program targets, monitoring the Navy's Veteran-Owned Small Business Program, and undertaking several special projects.

Delgado also served as the director of small business for the Naval Air Systems Command (NAVAIR). He has more than 25 years of acquisition experience. While at NAVAIR, he worked on several major weapon system programs and served as the Procuring Contracting Officer (PCO) for the A-6, EA-6B and F/A-18 C/D aircrafts.

Delgado received his MBA from Marymount University and graduated from NAVAIR's Senior Executive Management Development Program. He is Level III certified in the acquisition professional field of contracting and is a member of the Acquisition Professional Community.

He was awarded two Department of the Navy Meritorious Civilian Service medals for his innovative approaches in the acquisition process while serving as a PCO for the EA-6B aircraft and for his performance as the director of small business at NAVAIR. In September 2006, Delgado was awarded the Superior Civilian Service medal for his exceptional service to the Navy Small Business Programs Office.

Jennifer Byrne

*Vice President of
Technology Strategy
Lockheed Martin*



A scientist and engineer by training, Jennifer Byrne has program management and technical leadership experience in complex, large-scale hardware and software development programs. Named a Lockheed Martin Fellow in 2005, she is an acknowledged expert in electro-optical systems development and business process innovation.

Since joining Lockheed Martin in 1993, Byrne has steadily progressed through technical contributor assignments, including chief engineer, chief technologist, and program manager on programs spanning the full lifecycle. As Vice President of Technology Strategy, within corporate engineering and technology, Byrne's emphasis is on the alignment of technology investment to support long-term growth for the enterprise. Her team investigates crucial technology trends dealing with national security issues that encompass many strategic variables. This work helps Lockheed Martin understand and adapt to best support both the corporation's and its customers' missions.

Linwood Smith

*Recruitment and Student Education
Employment Program Manager
Langley Research Center*



Linwood Smith is the recruitment and student education employment program manager at Langley Research Center (LaRC). In addition, he serves as the selective placement, presidential management fellow and veteran's affairs coordinator.

Prior to accepting this position, Smith served as the NASA Shared Services Center (NSSC) liaison to LaRC. He also has served at LaRC as a human resources specialist in the Office of Human Capital Management, Organization Development & Workforce Relations Branch. In addition to his NASA positions, Smith held positions as the deputy director for the Executive Leadership Development Program at the Department of Defense, Washington, D.C., where he was responsible for the training program, budget, and logistics. He was also a human resources specialist responsible for the Recruitment and Student Education Employment Program and Employee Relations, Bureau of Consular Affairs, Department of State, Washington, D.C.

Smith, a graduate of Eastern Michigan University, is a retired noncommissioned officer with the United States Army.

Larry Cooper, Ph.D.

Program Planning Specialist
NASA Science Mission Directorate



Larry Cooper, Ph.D., is a program planning specialist in the Science Mission Directorate (SMD) at NASA Headquarters. He is involved in the overall management of the NASA SMD Education & Public Outreach (E/PO) program with responsibility for the end-to-end oversight of mission E/PO and the portfolio of SMD non-mission E/PO projects.

He is past editor of the space science E/PO newsletter, “Voyages” and a broker-facilitator for the NASA Office of Space Science Education and Public Outreach program. He has been a NASA Solar System ambassador and adjunct faculty with Miami University in the Department of Teacher Education and an educational liaison to the Ohio Aerospace Institute. He is a past member of the executive board of the Ohio Space Grant Consortium and served as deputy director for education and outreach.

Tshaka Cunningham, Ph.D.

Scientific Program Manager
U.S. Department of Veteran
Affairs, Office of Research
and Development



Dr. Tshaka Cunningham is the scientific program manager for Aging and Neurodegenerative Diseases for the Rehabilitation Research and Development Service within the Office of Research and Development at the Department of Veterans Affairs.

He is a graduate of Princeton University, where he earned a Bachelor of Arts degree in molecular biology. He then worked as a research scientist at Bristol-Myers Squibb Pharmaceuticals Inc, where he developed biological screening assays to identify drugs for the treatment of cardiovascular diseases. He holds a Ph.D. in molecular biology from Rockefeller University in New York.

Dr. Cunningham has served as a technology development consultant to small biotechnology companies and has been an invited columnist on scientific and social issues for Nature magazine and The Scientist. In addition, he is an adjunct assistant professor in the Microbiology Department at Howard University School of Medicine where he lectures in the medical virology course for medical and dental students. He completed his postdoctoral training at the Pasteur Institute in Paris, France, and at the National Institutes of Health in Bethesda, Md. In addition to his professional and academic activities, Dr. Cunningham has a longstanding interest in efforts to increase STEM education and scientific training opportunities for historically underrepresented minorities.

Andy Newton, Ph.D.

*Director, Hartnell Science
and Math Institute*
Hartnell College



Andy Newton, Ph.D., has more than 30 years of involvement in STEM education at Hartnell Community College, a federally designated Hispanic-Serving Institution in Salinas, Calif. He is director of the Hartnell Science & Math Institute, which is vested in discovering and nurturing science talent in the college's largely under-represented demographic.

Under his direction, the Institute has become known for its partnering prowess and its ability to develop science talent through exposing students to research early in their development. He has managed and executed several major STEM projects including two consecutive NASA-CIPA (Curriculum Improvement Partnership Award) grants that significantly upgraded the college's astronomy and engineering programs. He also oversees a robust STEM internship program, which places more than 30 students each summer at research organizations such as the Naval Postgraduate School, NASA-Ames and the University of California, Santa Cruz.

Holly YoungBear-Tibbetts, Ph.D.

Dean of External Relations
College of Menominee Nation



Dr. Holly YoungBear-Tibbetts is dean of external relations at College of Menominee Nation in Keshena, Wis. Dr. YoungBear-Tibbetts taught the first course offered at College of Menominee Nation, and returned as a full-time administrator in 1997 as dean of institutional advancement and director of the Sustainable Development Institute.

As Director of the Sustainable Development Institute for eight years, Dr. YoungBear-Tibbetts directed much of her attention to the development of academic degree programs in sustainable development, research administration, and program planning, design and development. Her research interests in native lands and resources and their sustainable development are reflected in journal articles, books and monographs. Dr. YoungBear-Tibbetts serves as a member of the leadership team of the Roundtable for Sustainable Forests, which recently prepared the 2010 National Report on Forests in collaboration with the U.S. Forest Service for the International Montreal Accords to which the United States is a signatory nation.

Dr. YoungBear-Tibbetts was appointed to serve on the Congressionally-mandated Biomass Research and Development Task Force of the federal departments of Energy and Agriculture, 2001-2004, and in 2005, she was appointed by Governor Doyle to the Wisconsin Bio-industry Council.

Dr. YoungBear-Tibbetts earned a master's degree and Ph.D., both in geography, from the University of Wisconsin in Madison.

Yolanda Treviño, Ph.D.

Assistant Dean, Graduate School
Indiana University, Bloomington



Yolanda Treviño earned her Ph.D. in higher education from Indiana University (IU) in 2004. She also holds a Master of Science degree from Northern Illinois University and a Bachelor of Arts from Baylor University in Texas.

Currently, she works as an assistant dean at the IU Graduate School in Bloomington, Ind. She is also the director for the IU Midwest Crossroads Alliance for Graduate Education and the Professoriate, a National Science Foundation grant program that develops and implements innovative programs that promote the academic success of graduate students, with a special interest in activities designed to advance under-represented minority students in science, technology, engineering and mathematics degree programs. In addition, she is responsible for diversity-building fellowships and serves as the ombudsperson for the Graduate and Professional Student Organization, the official graduate student government for IU.

Dr. Treviño is actively involved in her local community and serves, or has served, on the board of directors of the following organizations: IU Latino Faculty and Staff Council, IU Credit Union, Bloomington Rotary Club and Middle Way House Inc.



OSSI Team Messages

Mabel Jones Matthews, Ed.D.

Manager, Higher Education Program
NASA Office of Education



The One Stop Shopping Initiative (OSSI) for NASA internship, fellowship, and scholarship opportunities is an agency-wide collaboration that provides centralized and standardized processes for reaching undergraduate and graduate students, from all institutions of higher education (IHE), who seek to engage in NASA mission-related research, education, and space exploration.

OSSI processes include student:

- Recruitment, retention and development;
- Selection, placement and mentoring;
- Workforce entry; and
- Longitudinal study.

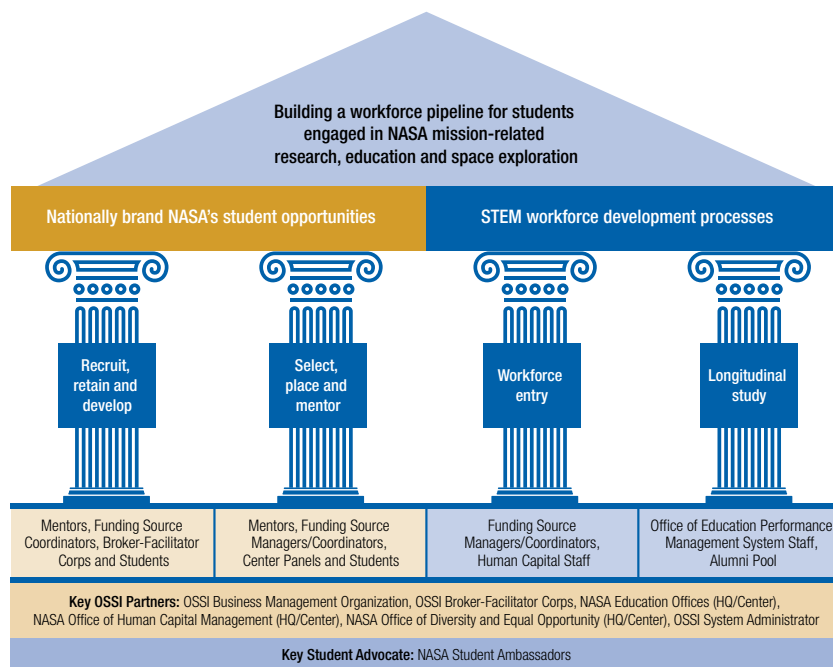
The OSSI LaunchPad at intern.nasa.gov provides students and other stakeholders with a one stop shopping experience and easy access to the:

- Integrated Student Application, SOLAR
- NASA Student Ambassadors Virtual Community
- Student Communication Module
- Student Domestic and International STEM Outreach Module
- Online NASA-related Student Research Journal
- Modules that include student features stories and videos; STEM awareness events and opportunities
- Student driven NASA-intern and fellow social networks
- Module that allows interns, fellows and alumni to continuously update their contact information

The over-arching mission of the Initiative is to provide NASA-related competency-building research and education opportunities that prepare highly qualified undergraduate and graduate students for employment in the science, technology, engineering, and mathematics (STEM) workforce, including NASA, industry and academia. To ensure expected performance outcomes, key OSSI partners: NASA Headquarters and Center Offices of Education, Human Capital, Diversity and Equal Opportunities; Mission Directorates; the OSSI System Administrator-Information Technology and Communication Division, GSFC; the OSSI Business Manager-Ohio Aerospace Institute; and the OSSI Broker-Facilitator Corps that includes the American Indian Higher Education Consortium, Hispanic College Fund, Institute for Broadening Participation and UNCF Special Programs Corporation work together to help strengthen the development, management and analysis of NASA's workforce pipeline.

"It is my distinct honor and privilege to serve as lead for OSSI. I wish to extend my thanks to the energetic team members that shaped the OSSI Strategic Model; their efforts have been above and beyond the call of duty. There is much yet to be done, but we look forward to moving forward collaboratively as we address new phases of OSSI's development."

One Stop Shopping Initiative (OSSI) for NASA Internship, Fellowship and Scholarship Opportunities Strategic Model



Carl S. Person, Ph.D.

*Manager, Minority University Research
and Education Program (MUREP)
NASA*



In my role as the MUREP Project Manager, I am excited to be a part of launching a new “culture” at NASA: the One Stop Shopping Initiative (OSSI). As NASA and the nation strive to increase the participation of underrepresented and underserved students in STEM disciplines and careers, OSSI levels the playing field for all qualified students by centralizing and standardizing the process for recruitment and selection. OSSI's Broker-Facilitator Corps will help to ensure the increased participation of STEM students from all institutions with a special emphasis on students from minority institutions. This Stakeholders' Summit will provide us an opportunity to become more knowledgeable about OSSI and what we as individuals or organizations bring to the table to support this effort. The collaborative relationships established and driven by the mission of OSSI will strengthen the development, management and analysis of NASA's workforce pipeline.

May you all have a successful and enjoyable experience this week as we prepare to “break new ground” in the development of NASA and the nation's future STEM workforce.

Diane D. DeTroye

*Manager
National Space Grant College
and Fellowship Program and
Experimental Program to
Stimulate Competitive Research*



The One Stop Shopping Initiative (OSSI) will provide students from around the country easier access to NASA internship, fellowship, and scholarship opportunities. The integrated student application available through the Student Online Application for Recruiting (SOLAR) Interns, Fellows, and Scholars system plays a key role in connecting students to those available opportunities.

Beyond the benefits of a simplified, streamline application process, the OSSI brings together key aspects that will enable students to stay engaged with NASA throughout their academic career as they build the competencies necessary to prepare themselves for a career in science, technology, engineering, or mathematics (STEM). OSSI will significantly benefit the students from the 52 consortia of the National Space Grant College and Fellowship Program and the 28 jurisdictions of the Experimental Program to Stimulate Competitive Research, as well as all interested students, through the features and modules built into the system.

This Stakeholders' Summit will benefit all of us through the development of a common understanding of the national STEM policy agenda, the NASA contributions to the solution, and the specific implementation of tools for the higher education community.

Ann O. Heyward

*Vice President, Research and
Educational Programs
Ohio Aerospace Institute*



The Ohio Aerospace Institute (OAI) is very proud to support NASA's One Stop Shopping Initiative in the role of Business Manager. OAI's mission is to build our nation's aerospace economy through research and technology development, education and training, and collaboration and networking. We are excited by the opportunity to collaborate with such outstanding strategic partners in NASA and the OSSI Broker-Facilitator Corps. We are especially proud to play a role in broadening access – for as many students as possible from as many different institutions as possible – to the outstanding student opportunities for internships and fellowships in NASA.

Deborah Sharpe

*IT Project Manager
NASA Goddard Space Flight Center*



It has been a rewarding experience to serve as the project manager for the Student On-Line Application for Recruiting Interns, Fellows and Scholars (SOLAR) component of the One Stop Shopping Initiative. The team I represent from Goddard Space Flight Center is very excited about being part of an initiative that will more easily and efficiently connect NASA's mentors with students from across the country. The SOLAR project team appreciates the many hours the NASA Education community spent with them discussing and reaching agreement on requirements that ultimately led to standard NASA processes for student application and selection for internships, fellowships and scholarships. The resulting SOLAR system provides a unified NASA approach for students to gain awareness of and apply for NASA's education opportunities for undergraduates and graduates.

Carrie Billy, J.D.

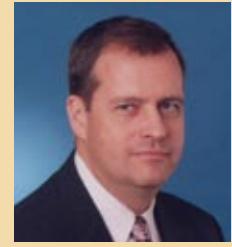
President and CEO
American Indian Higher Education
Consortium



The nation's 36 Tribal Colleges and Universities (TCU), which collectively are the American Indian Higher Education Consortium (AIHEC), are pleased to be part of NASA's One Stop Shopping Initiative. As a member of the Broker-Facilitator Corps, AIHEC is providing the personal and social mechanisms to support communication and linkages between TCU students and faculty and NASA science, engineering, education and outreach personnel. This collaboration will enhance the education and career development of TCU students and increase the effectiveness of NASA education, research and workforce development programs. This innovative project should become a model for all federal agencies. We are confident that our collaborative efforts will encourage significantly increased student interest and participation in NASA science and careers.

George W. Cushman

Vice President
Hispanic College Fund



The Hispanic College Fund is proud to be a Broker-Facilitator for NASA's One Stop Shopping Initiative (OSSI). Our role is to support and engage students at Hispanic-Serving Institutions in NASA's higher education opportunities. Our contribution will increase the representation of students from underserved communities earning degrees in STEM, aerospace and education resulting in a robust and diverse workforce pipeline for NASA and the nation.

Ashanti Johnson, Ph.D.

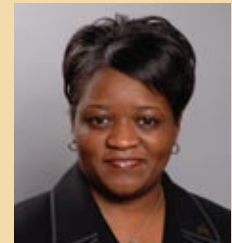
Executive Director
Institute for Broadening Participation



The Institute for Broadening Participation (IBP) is supporting NASA OSSI with extensive recruitment and retention efforts at Predominantly White Institutions (PWI) across the country. IBP is a non-profit organization created to design and implement strategies to increase access to STEM (science, technology, engineering and mathematics) education and careers for diverse underrepresented groups.

Sonya L. Greene, Ph.D.

Director, Workforce Development
UNCF Special Programs
Corporation (UNCFSP)



UNCF Special Programs Corporation (UNCFSP) serves as one of NASA's primary recruiting organizations (a.k.a. Broker-Facilitator) to Predominantly Black Institutions (including HBCUs) for internships, fellowships and scholarships as part of the new NASA One Stop Shopping Initiative (OSSI). Through various grant programs and federal contracts, UNCFSP has built an extensive partnership network supporting federal agencies, international governments, non-governmental organizations, professional organizations and private industry. UNCFSP's minority constituents consist of Historically Black Colleges and Universities (HBCUs), Hispanic-Serving Institutions (HSIs), Tribal Colleges and Universities (TCUs) and Other Minority Institutions (OMIs).

UNCFSP is uniquely positioned to connect the diverse technical talent found in the Minority Institution (MI) community to the Federal Government. We serve as the portal to opportunity by using our experience to manage strategic partnerships with our constituents and customers that build capacity opportunities for our MIs.



THE OSSI TEAM

NASA Mission Directorates and Associate Administrators

Aeronautics Research Mission Directorate:
Dr. Jaiwon Shin

Exploration Systems Directorate:
Dr. Douglas R. Cooke

Science Directorate:
Dr. Edward J. Weiler

Space Operations Directorate:
Mr. William H. Gerstenmaier

NASA Office of Education:

James L. Stofan, Acting Associate Administrator
Dr. Gregg Buckingham, Acting Deputy Associate Administrator for Integration Division

NASA Education Directors and OSSI Administrators

OSSI Advisory Group:
Mabel Matthews, Ed.D., OSSI Lead, HQ-OE
Shelley Canright, Ph.D., HQ-OE
Larry Cooper, Ph.D., HQ SMD
Robert Gabrys, Ph.D., GSFC
Darla Jones, GRC
James L. Stofan, HQ-OE

NASA Center Education Directors:
Ames Research Center – Alysia Caryl
Dryden Flight Research Center – John O'Shea
Glenn Research Center – Michael Foreman
Goddard Space Flight Center – Robert Gabrys, Ph.D.
Jet Propulsion Laboratory – Parvin Kassaie, Ph.D.
Johnson Space Center – Susan White
Kennedy Space Center – Hortense Burt
Langley Research Center – Rodger Hathaway
Marshall Space Flight Center – Tammy Rowan
Stennis Space Center – Katie Wallace

OSSI Center Administrators:
Ames Research Center – Brenda Collins
Dryden Flight Research Center – Kendra Titus
Glenn Research Center – Darla Jones
Goddard Space Flight Center – David Rosage
Headquarters – Fawn Stanton
Jet Propulsion Laboratory – Petra Kneissl-Milanian
Johnson Space Center – Frank Prochaska
Kennedy Space Center – Benita Desuza
Langley Research Center – Thomas Pinelli, Ph.D.
Marshall Space Flight Center – Mona Miller
Stennis Space Center – Nathan Sovik, Ph.D.

NASA One Stop Shopping Initiative (OSSI) Strategic Partners

NASA Office of Education
NASA Office of Human Capital Management
NASA Office of Diversity and Equal Opportunity

OSSI System Administrator:
The Information Technology and Communication Division, NASA Goddard Space Flight Center

OSSI Business Manager:
Ohio Aerospace Institute

OSSI Broker-Facilitator Corps:
American Indian Higher Education Consortium (AIHEC)
Hispanic College Fund (HCF)
Institute for Broadening Participation (IBP)
UNCF Special Programs Corporation (UNCFSP)

OSSI Requirements Team

Brenda Collins	ARC
Tony Springer	ARMD
Katrina Emery	DFRC
Deborah Scales-Jakes	ESMD
Darla Jones	GRC
Janie Nall	GSFC
Shelley Canright, Ph.D.	HQ-E/S
Mabel Matthews, Ed.D.	HQ-HE
Carl Person, Ph.D.	HQ-HE
Diane DeTroye	HQ-HE
Petra Kneissi-Milanian	JPL
Robert Musgrove	JSC
Benita Desuza	KSC
Thomas Pinelli, Ph.D.	LRC
Frank Six, Ph.D.	MSFC
Mervyn Jones	ODEO-HQ
Krystal Hall	OHCM-HQ
Larry Cooper, Ph.D.	SMD
Alotta Taylor	SOMD
Nathan Sovik, Ph.D.	SSC

AN INNOVATIVE SOLUTION
TO SUPPORT THE
STEM WORKFORCE
OF TOMORROW

OSSI

OSSI intern.nasa.gov **NASA Education** www.education.nasa.gov

www.nasa.gov